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Product datasheet for SC114000

SNRK (NM_017719) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNRK (NM_017719) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNRK
Synonyms:	HSNFRK
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF sequence for NM_017719 edited
ATGGCAGGATTTAAGCGAGGGTATGATGGAAAGATTGCTGGATTATATGATCTGGATAAA
ACCTTGGGTCGAGGCCATTTTGCCGTGGTTAAACTTGCCAGGCATGTCTTTACGGGTGAA
AAGGTGGCAGTAAAAGTTATTGACAAGACAAAACTGGACACTCTAGCTACTGGTCATCTT
TTCCAGGAAGTGAGATGCATGAAACTAGTGCAGCATCCTAACATCGTCCGCCTTTATGAA
GTTATTGACACCCAGACCAAACTATATCTTATTCTAGAACTTGGGGATGGAGGAGATATG
TTTGATTATATAATGAAACATGAGGAGGGTCTTAATGAAGACTTGGCCAAGAAGTATTTT
GCTCAGATAGTTCATGCTATATCTTATTGCCATAAACTCCATGTGGTTCACAGAGACTTA
AAACCAGAGAATGTAGTCTTCTTTGAAAAACAAGGTCTTGTAAAGTTGACAGACTTTGGG
TTCAGCAACAAATTTCAACCAGGGAAGAAGCTCACTACAAGCTGTGGATCTCTTGCATAT
TCCGCTCCAGAAATTCTGCTTGGTGATGAGTATGATGCACCTGCAGTAGATATTTGGAGT
CTGGGAGTGATCCTTTTCATGTTGGTGTGTGGGCAGCCGCCCTTTCAAGAAGCCAATGAC
AGTGAAACACTGACAATGATCATGGATTGCAAATATACAGTACCATCCCATGTGTCTAAA
GAGTGTAAAGACCTAATCACACGGATGCTACAGAGAGATCCCAAGAGAAGGGCTTCTTTA
GAAGAGATTGAAAATCATCCTTGGCTTCAGGGAGTGGACCCTTCACCAGCTACAAAGTAT
AACATTCCCCTTGTGTCATACAAAAATCTCTCGGAAGAGGAGCACAACAGCATCATTCAG
CGCATAGTGCTTGGGGACATAGCGGATCGAGACGCCATTGTAGAAGCCCTGGAAACCAAC
AGGTATAACCATATCACAGCCACATACTTCCTGCTGGCTGAAAGGATCCTGAGAGAAAAG
CAAGAGAAAGAAATACAGACCAGATCTGCAAGCCCGAGCAATATCAAGGCCCAGTTTAGG
CAGTCATGGCCAACCAAAATTGATGTACCCCAGGACCTTGAGGATGACCTCACGGCCACT
CCTTTGTCCCACGCGACTGTCCCTCAGTCTCCTGCTCGGGCTGCTGACAGTGTCCTCAAT
GGCCACAGGAGCAAAGGCCTGTGTGACTCAGCTAAGAAAGATGACCTCCCTGAGTTGGCT
GGACCAGCACTCTCTACGGTGCCACCCGCAAGCTTAAAACCCACAGCCAGTGGGCGGAAG
TGTCTGTTCAGGGTGGAAGAAGATGAAGAGGAAGATGAGGAGGACAAGAAACCCATGTCC
CTCTCAACACAAGTGGTTTTGCGCCGGAAGCCATCTGTAACCAACCGCCTGACATCCAGG
AAGAGTGCGCCCGTCCTCAACCAGATCTTTGAGGAAGGGGAATCTGACGATGAGTTTGAC
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ACAGTTCACAAACGCTACCACCGGAGGAAAAGTCAGGGCCGGGGCTCCAGCTGCAGTAGT
TCGGAGACCAGTGATGATGATTCTGAAAGCCGGCGGCGGCTCGATAAAGATAGCGGGTTC
ACCTACTCCTGGCACCGACGGGATAGCAGCGAGGGGCCCCCTGGCAGTGAGGGGGATGGC
GGGGGCCAGAGCAAGCCAAGCAATGCCAGTGGAGGGGTGGACAAGGCCAGCCCCAGTGAG
AACAATGCTGGTGGGGGCAGTCCCTCCAGCGGCTCGGGTGGCAACCCCACCAATACATCG
GGTACCACACGCCGCTGTGCCGGCCCCAGCAACTCCATGCAGCTGGCCTCTCGCAGTGCT
GGGGAGCTCGTTGAGAGCCTCAAACTCATGAGCCTCTGCCTCGGCTCCCAGCTTCATGGG
AGCACCAAGTACATTATTGATCCACAGAATGGCTTGTCATTTTCCAGTGTGAAAGTCCAA
GAGAAATCTACGTGGAAAATGTGCATTAGCTCCACAGGGAATGCAGGGCAGGTCCCTGCA
GTGGGCGGCATAAAGTTTTTCTCTGACCACATGGCAGATACCACCACTGAATTGGAACGG
ATAAAGAGCAAGAACCTGAAAAATAACGTGCTGCAGCTACCTCTGTGCGAAAAGACCATC
TCTGTGAACATCCAGCGGAACCCTAAGGAGGGGCTGCTGTGCGCATCCAGCCCAGCCAGC
TGTTGCCATGTCATCTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017719 unedited
NNGGGGGTGTGCACCATTTGTNATACNACTCATATAGGCGGCCGCGNAATTCGCACCAGC
GACTTGNAAAATGATTTTTTGTATTCACCAGNTATTCTTATATGAGAAGATCTATTTTAA
ACAGTCTAAATTTTTTTCTTCTGTTGGACCAGCATGGCAGGATTTAAGCGAGGGGTATGA
TGGAAAGATTGCTGGATTATATGATCTGGATAAAACCTTGGGTCGAGGCCATTTTGCCGT
GGTTAAACTTGCCAGGCATGTCTTTACGGGTGAAAAGGTGGCAGTAAAAGTTATTGACAA
GACAAAACTGGACACTCTAGCTACTGGTCATCTTTTCCAGGAAGTGAGATGCATGAAACT
AGTGCAGCATCCTAACATCGTCCGCCTTTATGAAGTTATTGACACCCAGACCAAACTATA
TCTTATTCTAGAACTTGGGGATGGAGGAGATATGTTTGATTATATAATGAAACATGAGGA
GGGTCTTAATGAAGACTTGGCCAAGAAGTATTTTGCTCAGATAGTTCATGCTATATCTTA
TTGCCATAAACTCCATGTGGTTCACAGAGACTTAAAACCAGAGAATGTAGTCTTCTTTGA
AAAACAAGGTCTTGTAAAGTTGACAGACTTTGGGTTCAGCAACAAATTTCAACCAGGGGA
AGAAGCTCACTACAAGCTGTGGATCTCTTGCATATTCCGCTCCAGAAATTCTGCTTGGTG
ATGAGTATGATGCACCTGCAGTAGATATTTGGAGTCTGGGAGTGATCCTTTTATGTTGGT
GTGTGGGCAGCCGNCCTTTCAANAGCCAATGACCAGTGAACACTGACCATGATCATGGAT
TTGCAATATACAGTACCTTCCATGTGTCCTAAAGATGTAAAGACCTAATCACACGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017719 unedited
TACTTGNACGCGGCCGCAATCTATGATCGGTTTTTTTTTTTTTTTTTGCTGAACACCAA
TATGTCACTTTATTATTTGGATTTTTTTTCCCATTTGTCACATACCTGTCAATGTTTACA
CAATGAGGGAAATCAACCAGCATTGGAAGCAACTGACCAAATCAGTTGATAATTCTGTAC
CCTCTTAACACACATCAATTTTCACTTGGTAGGGATTATCTTTAATTCGGTCTCACAGCT
ATTCTTAAAATTGGTGTCAAGATTGTCACATCTTTAAATACAGATAGAATTGCCAGAAGT
ACATAATTATATATATATACACACATACAGAAAAATACAAGACTGTTTTTCCACAATATT
TAATTTATACACTACTGTAACTATATGCAACTTTTGAAGACAGGTTAAGGGGTACAACTA
ACTGTTTAGAGCAAGTAAGTAGTTTGGTCCAATATTATCTTAATGTAATGGTTTTTCGCT
CCCTCCCTTTTATGTGACGACATACTATGACATACAAAACATGCACAATCATTCACTTAT
AAACAAAGGAGTAAGACACCACTCAGACTGACATTTGTATACCCCAAGGGTCAACCACAC
AACTAATAAGGCTATAATACAGCTATGCAGCATAAATGGTCAACACTGCTGATCCTAAAG
TGAGCACCATATATACATCTGAATATAAAAAACCATTGAAACCAAACACATATGGGTTAT
TTAAAAAGTGCCATTCCAAGGCTATACATAATTACAGGAAAAAGTATTTACACTGCTTGG
AAAACGCTGCAACAAAAGTTTATTGCCCATGCCCTTTTAAACTTTCTCCTATGGTATACA
GATGTACGCTCCTATCTTGTGACCACCATTTTATTCTGCCCTTTATAGATCCCGCTCAAG
ATTCAGCCAAATTTCTTTGCTTCCCCCACATTTTTTTAAACT

Restriction Sites: NotI-NotI

ACCN: NM_017719

Insert Size: 6220 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_017719.3, NP_060189.2
RefSeq Size:	5118 bp
RefSeq ORF:	2298 bp
Locus ID:	54861
UniProt ID:	Q9NRH2
Cytogenetics:	3p22.1
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	SNRK is a member of the sucrose nonfermenting (SNF)-related kinase family of serine/threonine kinases (Kertesz et al., 2002 [PubMed 12234663]).[supplied by OMIM, Apr 2009] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same isoform (1).